

DERWENT-ACC-NO: 1984-095489

DERWENT-WEEK: 198416

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Flame retardant foamed rubber - made from SBR  
latex, PVC  
powder and antimony oxide

INVENTOR: KAISER, F; KRAMER, H ; RIEDEL, B ; RUDOLPH, A ; SCHMUTZLER, F  
; TAEGER, E ; WIESENER, E

PRIORITY-DATA: 1982DD-0239000 (April 15, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
DD 205129 A	December 21, 1983	N/A
N/A		008

INT-CL (IPC): B32B005/18

ABSTRACTED-PUB-NO: DD 205129A

BASIC-ABSTRACT:

Latex foam compsns. for application to sheet materials by roller or doctor blade are made by mixing rubber, latex, fillers, crosslinking agents, foaming agents, plasticiser emulsions, together with (i) 100-250 pts.wt. PVC powder with a K-value of 59-71, per 100 pts. latex rubber solids, or (ii) 3-10 pts.wt. of a synergist such as Sb2O3, 20-30wt.% PVC-E powder with a K value of 59-71 and/or 5-10wt.% chlorinated hydrocarbons with a Cl content of at least 50% per 100 pts.wt. latex rubber solids. After application the foam is dried and vulcanised. The rubber latex is esp. a 35-55wt.% solids styrene-butadiene copolymer latex.

The foams have a uniform pore structure and have good flame retardant properties. They have a strong outer skin and are capable of withstanding printing of the support sheet without damage. They are esp. useful as backing materials for carpets.